

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

| | | | | | | |
|----------------------------------|--------------------|-----------------|--------------|-------------|---------------|----------|
| NA0003 | Overall LMA Rating | Total LMA Miles | | | | |
| Butte County Public Works | A | 24.71 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Encroachments | 0.05 | | 0.05 | 0.20% | 0.15 | 0.55 |
| Animal Control | 0.04 | | 0.04 | 0.16% | | |
| Slope Stability | 0.01 | | 0.01 | 0.04% | | |
| <i>Supplemental</i> | | | | | | |
| USACE Erosion Survey | 0.01 | | 0.01 | 0.04% | | |
| <i>LMA Totals:</i> | 0.11 | 0.00 | 0.11 | 0.45% | 0.15 | 0.55 |

| | | | | | | |
|---------------------------------|---------------------|------------------|--------------|-------------|---------------|----------|
| Unit No. 01 Mud Creek RB | Overall Unit Rating | Total Unit Miles | | | | |
| NA0003 | A | 7.29 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Encroachments | 0.05 | | 0.05 | 0.69% | 0.07 | 0.05 |
| Animal Control | 0.04 | | 0.04 | 0.55% | | |
| <i>Supplemental</i> | | | | | | |
| USACE Erosion Survey | 0.01 | | 0.01 | 0.14% | | |
| <i>Unit Totals:</i> | 0.10 | 0.00 | 0.10 | 1.37% | 0.07 | 0.05 |

| | | | | | | |
|---------------------------------|---------------------|------------------|--------------|-------------|---------------|----------|
| Unit No. 02 Mud Creek LB | Overall Unit Rating | Total Unit Miles | | | | |
| NA0003 | A | 8.20 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Encroachments | | | | | | 0.32 |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.32 |

| | | | | | | |
|---------------------------------------|---------------------|------------------|--------------|-------------|---------------|----------|
| Unit No. 02A Channel Slough LB | Overall Unit Rating | Total Unit Miles | | | | |
| NA0003 | A | 0.30 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>No Items</i> | | | | | | |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 |

| | | | | | | |
|--|---------------------|------------------|--------------|-------------|---------------|----------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks RB | Overall Unit Rating | Total Unit Miles | | | | |
| NA0003 | A | 4.13 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Slope Stability | 0.01 | | 0.01 | 0.24% | | |
| <i>Unit Totals:</i> | 0.01 | 0.00 | 0.01 | 0.24% | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

| | | | | | | |
|---|---------------------|------------------|--------------|-------------|---------------|----------|
| Unit No. 04 Sycamore and Dry Creeks RB | Overall Unit Rating | Total Unit Miles | | | | |
| NA0003 | A | 2.94 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Encroachments | | | | | 0.08 | 0.18 |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | 0.08 | 0.18 |

| | | | | | | |
|---|---------------------|------------------|--------------|-------------|---------------|----------|
| Unit No. 05 Big Chico Diversion LB | Overall Unit Rating | Total Unit Miles | | | | |
| NA0003 | A | 1.85 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| No Items | | | | | | |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Fall 2011 Levee Inspection Results****Butte County Public Works**

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| * Overall LMA Rating (Fall Only) | | | A | |

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

| |
|--|
| |
| |
| |
| |
| |
| |
| |

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Butte County Public Works**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Mud Creek | | | Right | 7.29 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/20/2011 - 4/20/2011 | | 11/16/2011 - 11/16/2011 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | Dave Herfi Butte Co. | | Dave Herfi Butte Co. | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------------|------|---------------|----------------------|------------|-----------|---|------------------------------|------------------------------|------------|
| Unit No. 01 Mud Creek | | | | | | | Right | 7.29 | 11/16/2011 11/16/2011 | Bob Duffey |
| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Issue No. |
| | Start | End | | | | | | Start | End | Photo |
| 1 | 2.06 | 2.10 | Earthen Levee | Encroachments | LS | CO | Fences | 39.748330 ° -121.918685 ° | 39.748867 ° -121.918533 ° | 3 Y |
| 2 | 2.16 | 2.16 | Earthen Levee | Encroachments | LS | CO | Buildings | 39.749732 ° -121.918270 ° | 39.749732 ° -121.918270 ° | 24 |
| 3 | 2.18 | 2.25 | Earthen Levee | Encroachments | LS | PO | Fences | 39.749917 ° -121.917738 ° | 39.753355 ° -121.922915 ° | 4 |
| 4 | 2.65 | 2.65 | Earthen Levee | Encroachments | LS | M | Prunings | 39.755897 ° -121.914808 ° | 39.755897 ° -121.914808 ° | 2 Y |
| 5 | 2.90 | 2.90 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 39.758788 ° -121.912383 ° | 39.758788 ° -121.912383 ° | 11 Y |
| 6 | 3.00 | 3.00 | Earthen Levee | Encroachments | LS | M | Prunings | 39.759755 ° -121.911160 ° | 39.759755 ° -121.911160 ° | 1 Y |
| 7 | 3.10 | 3.10 | Earthen Levee | Encroachments | LS | M | Prunings | 39.761085 ° -121.911048 ° | 39.761085 ° -121.911048 ° | 25 |
| 8 | 3.22 | 3.22 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 39.762548 ° -121.909872 ° | 39.762547 ° -121.909868 ° | 6 |
| 9 | 3.33 | 3.33 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 39.764123 ° -121.908970 ° | 39.764123 ° -121.908970 ° | 12 |
| 10 | 3.98 | 3.98 | Earthen Levee | Encroachments | LS | M | Prunings | 39.770351 ° -121.901349 ° | 39.770351 ° -121.901349 ° | 5 |
| 11 | 4.21 | 4.21 | Earthen Levee | Animal Control | LS | C | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 39.772175 ° -121.897963 ° | 39.772175 ° -121.897963 ° | 7 |
| 12 | 4.22 | 4.22 | Supplemental | USACE Erosion Survey | WS | M | Inspector Comments: 2011: Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures. [2011 Site ID: MUD_4-4_R] | 39.773257 ° -121.895618 ° | 39.773969 ° -121.895078 ° | 13 Y |
| 13 | 4.58 | 4.58 | Earthen Levee | Encroachments | LS | M | Prunings | 39.775908 ° -121.893947 ° | 39.775908 ° -121.893947 ° | 21 |
| 14 | 4.92 | 4.92 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 39.780170 ° -121.891352 ° | 39.780170 ° -121.891352 ° | 8 |
| 15 | 6.12 | 6.16 | Earthen Levee | Trim / Thin Trees | LS | C | Trim trees to at least five feet above ground level. | 39.793370 ° -121.887312 ° | 39.794052 ° -121.887125 ° | 9 |
| 16 | 6.24 | 6.28 | Earthen Levee | Trim / Thin Trees | LS | C | Trim trees to at least five feet above ground level. | 39.794867 ° -121.886398 ° | 39.795157 ° -121.885893 ° | 10 |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Mud Creek | Right | 7.29 | 11/16/2011 11/16/2011 | Bob Duffey |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 2.06 |
| End Levee Mile | 2.10 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

View of the fences along the L/S toe.

rduffey_f_20110927_451.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 2.65 |
| End Levee Mile | 2.65 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

View of the prunings pile.

rduffey_f_20111121_475.jpg



| | |
|------------------------|----------------|
| Levee Mile Report Line | 5 |
| Start Levee Mile | 2.90 |
| End Levee Mile | 2.90 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Animal Control |

View of the squirrel holes & bait station.

rduffey_f_20111121_474.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|-------|------------|--------------------------|------------|
| Unit No. 01 Mud Creek | Right | 7.29 | 11/16/2011 11/16/2011 | Bob Duffey |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 3.00 |
| End Levee Mile | 3.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

View of the pruning pile along the L/S toe.

rduffey_f_20110927_450.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 12 |
| Start Levee Mile | 4.22 |
| End Levee Mile | 4.22 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2011 Photo #1

USACE2011_MUD_4-4_R_1.jpg



| | |
|------------------------|----------------------|
| Levee Mile Report Line | 12 |
| Start Levee Mile | 4.22 |
| End Levee Mile | 4.22 |
| Location | Water Side |
| Category | Supplemental |
| Item | USACE Erosion Survey |

USACE 2011 Photo #2

USACE2011_MUD_4-4_R_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Butte County Public Works**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02 Mud Creek | | | Left | 8.20 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/20/2011 - 4/20/2011 | | 11/16/2011 - 11/16/2011 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | Dave Herfi Butte Co. | | Dave Herfi Butte Co. | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|--|--|--|--|--|------|------------|--------------------------|------------|
| Unit No. 02 Mud Creek | | | | | | Left | 8.20 | 11/16/2011 11/16/2011 | Bob Duffey |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 1.58 | 1.90 | Earthen Levee | Encroachments | LS | CO | Fences | 39.782773 ° -121.888178 ° | 39.778972 ° -121.891563 ° | 3 Y |
| 2 | 4.46 | 4.46 | Earthen Levee | Animal Control | LS | A | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 39.752465 ° -121.914632 ° | 39.752465 ° -121.914632 ° | 2 Y |
| 3 | 4.46 | 4.46 | Earthen Levee | Animal Control | LS | C | No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | 39.752465 ° -121.914632 ° | 39.752465 ° -121.914632 ° | 1 |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------|------|------------|--------------------------|------------|
| Unit No. 02 Mud Creek | Left | 8.20 | 11/16/2011 11/16/2011 | Bob Duffey |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.58 |
| End Levee Mile | 1.90 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

View of the fence along the landside toe of the levee.

rduffey_f_20110927_455.jpg



| | |
|------------------------|----------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 4.46 |
| End Levee Mile | 4.46 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Animal Control |

View of the repaired rodents borrows along L/S slope.

rduffey_f_20111121_488.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Butte County Public Works**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02A Channel Slough | | | Left | 0.30 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/20/2011 - 4/20/2011 | | 11/16/2011 - 11/16/2011 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | Dave Herfi Butte Co. | | Dave Herfi Butte Co. | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|--|--|--|--|--|------|------------|--------------------------|------------|
| Unit No. 02A Channel Slough | | | | | | Left | 0.30 | 11/16/2011 11/16/2011 | Bob Duffey |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.00 | 0.30 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | 39.733263 ° -121.930042 ° | 39.733263 ° -121.930042 ° | 1 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|---------------|
| Unit No. 02A Channel Slough | Left | 0.30 | 11/16/2011 11/16/2011 | Bob Duffey |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.00 |
| End Levee Mile | 0.30 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

View of the new grass starting to grow.

rduffey_f_20111121_480.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Butte County Public Works**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | | | Right | 4.13 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/20/2011 - 4/20/2011 | | 11/16/2011 - 11/16/2011 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | | | Dave Herfi Butte Co. | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|--|--|--|--|--|-------|------------|--------------------------|------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | | | | | | Right | 4.13 | 11/16/2011 11/16/2011 | Bob Duffey |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
|---------|------------|------|---------------|-----------------|------------|-----------|--|------------------------------|------------------------------|-----------------|
| | Start | End | | | | | | Start | End | |
| 1 | 0.06 | 0.06 | Earthen Levee | Slope Stability | WS | M | Repair the levee slope damaged by vehicle traffic and prevent access where possible. | 39.786068 ° -121.881828 ° | 39.786068 ° -121.881828 ° | 3 Y |
| 2 | 1.13 | 1.13 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | 39.780155 ° -121.865038 ° | 39.780155 ° -121.865038 ° | 1 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--|-------|------------|--------------------------|------------|
| Unit No. 03 Sycamore and Sheep Hollow Creeks | Right | 4.13 | 11/16/2011 11/16/2011 | Bob Duffey |

| | |
|------------------------|-----------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.06 |
| End Levee Mile | 0.06 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Slope Stability |

View of the motorcycle erosion on the landside slope of the levee.

rduffey_f_20110927_456.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 1.13 |
| End Levee Mile | 1.13 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

View of the levee with new grass starting to grow.

rduffey_f_20111121_478.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Butte County Public Works**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 Sycamore and Dry Creeks | | | Right | 2.94 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/20/2011 - 4/20/2011 | | 11/16/2011 - 11/16/2011 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | Dave Herfi Butte Co. | | Dave Herfi Butte Co. | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|--|--|--|--|--|-------|------------|--------------------------|------------|
| Unit No. 04 Sycamore and Dry Creeks | | | | | | Right | 2.94 | 11/16/2011 11/16/2011 | Bob Duffey |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.98 | 1.05 | Earthen Levee | Encroachments | LS | CO | Fences | 39.776013 ° -121.851175 ° | 39.776595 ° -121.852005 ° | 1 Y |
| 2 | 1.16 | 1.27 | Earthen Levee | Encroachments | LS | CO | Fences | 39.776760 ° -121.854022 ° | 39.777650 ° -121.855687 ° | 3 Y |
| 3 | 1.32 | 1.40 | Earthen Levee | Encroachments | LS | PO | Agricultural Ditch | 39.778003 ° -121.856403 ° | 39.778378 ° -121.857953 ° | 2 Y |
| 4 | 1.76 | 1.76 | Earthen Levee | Animal Control | LS | C | Exterminate rodents and backfill and compact or grout burrows. | 39.779195 ° -121.864435 ° | 39.779195 ° -121.864435 ° | 4 |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|------------|
| Unit No. 04 Sycamore and Dry Creeks | Right | 2.94 | 11/16/2011 11/16/2011 | Bob Duffey |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.98 |
| End Levee Mile | 1.05 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

View of the fence and trees along the landside toe of the levee.

rduffey_f_20110927_457.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 1.16 |
| End Levee Mile | 1.27 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

View of the fence along the l/s toe.

rduffey_f_20111121_477.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 1.32 |
| End Levee Mile | 1.40 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

View of AG ditch at the L/S toe.

rduffey_f_20110927_458.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2011 Levee Inspection Results
Butte County Public Works**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 05 Big Chico Diversion | | | Left | 1.85 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/20/2011 - 4/20/2011 | | 11/16/2011 - 11/16/2011 | |
| DWR Inspector | Bob Duffey | | Bob Duffey | |
| Accompanied By | Dave Herfi Butte Co. | | Dave Herfi Butte Co. | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------------|--|--|--|--|--|------|------------|--------------------------|------------|
| Unit No. 05 Big Chico Diversion | | | | | | Left | 1.85 | 11/16/2011 11/16/2011 | Bob Duffey |

| LMR No. | Levee Mile | | Category | Item | Location * | Rating ** | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------------|------------------------------|-----------------|
| | Start | End | | | | | | Start | End | |
| 1 | 0.22 | 0.45 | Earthen Levee | Vegetation | WS | C | Remove the wild growth other than native grasses from the levee slopes. | 39.761921 ° -121.792929 ° | 39.761110 ° -121.796950 ° | 2 |
| 2 | 0.22 | 0.45 | Earthen Levee | Vegetation | LS | C | Remove the wild growth other than native grasses from the levee slopes. | 39.761920 ° -121.792930 ° | 39.761110 ° -121.796951 ° | 1 |
| 3 | 0.22 | 0.45 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | 39.761921 ° -121.792930 ° | 39.761921 ° -121.792930 ° | 3 Y |
| 4 | 0.22 | 0.45 | Earthen Levee | Vegetation | WS | A | Remove the wild growth other than native grasses from the levee slopes. | 39.761921 ° -121.792930 ° | 39.761921 ° -121.792930 ° | 4 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Butte County Public Works

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|---------------------------------|------|------------|--------------------------|------------|
| Unit No. 05 Big Chico Diversion | Left | 1.85 | 11/16/2011 11/16/2011 | Bob Duffey |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 0.22 |
| End Levee Mile | 0.45 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

View of the L/S slope.

rduffey_f_20111121_491.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 0.22 |
| End Levee Mile | 0.45 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

View of the W/S slope.

rduffey_f_20111121_490.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor